



5246 Wooster Road, Cincinnati, OH 45226 • Phone 513-871-8656 • www.tswr.com

INSPECTION OF RIGGING SLINGS

Per ANSI B30.9

All slings and attachments shall be visually inspected by the person handling the sling each day they are used. In addition, a periodic inspection shall be performed by a designated person, at least annually, and shall include a record of the inspection.

WIRE ROPE SLINGS

Broken Wires

Remove from service strand laid and single part slings if ten or more randomly distributed wires in one lay, or five broken wires in one rope strand in one rope lay.

Distortion of Wire Rope

Remove from service wire rope slings that have any damage resulting in distortion of the wire rope structure such as kinking, crushing, unstranding, birdcaging, strand displacement or core protrusion.

CHAIN SLINGS

Inspection Criteria

Wear	Weld Splatter
Nicks, Cracks, Breaks	Excessive Temperature
Gouges, Stretch, Bends	Throat Opening of Hook

Chain Links

Remove sling from service if links are worn excessively (more than 10% or refer to manufacturer's information), sharp transverse nicks and gouges should be rounded out by grinding (DO NOT EXCEED WEAR ALLOWANCE). Chain links and attachments should hinge freely to adjacent links.

Identification

Chain slings shall have permanently affixed identification stating: size, grade, rated load, number of legs and manufacturer.

SYNTHETIC SLINGS

Inspection Criteria

Acid or Caustic Burns	Broken Stitches
Melting or Charring	Worn Stitches
Holes, Cuts	Excessive Abrasion
Tears, Snags	Knots

Round Sling Notes

Remove from service round slings that have core fiber exposed by holes, tears, cuts, embedded particles, wear or snags. Remove from service rounds slings that have melting, charring or weld splatter on any part of sling.

Identification




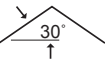


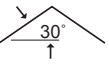
Web slings and round slings shall be permanently marked indicating: Manufacturer's trademark and code (or stock number), rated loads for the three hitches and material.



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

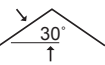


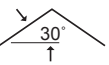
GRADE 80 ALLOY CHAIN SLINGS

(Rated Capacity in Pounds - Do Not Exceed)

	Single Leg	Double Leg			Three & Four Leg		
							
7/32"	2,100	3,600	3,000	2,100	5,450	4,450	3,150
1/4" (9/32)	3,500	6,100	4,900	3,500	9,100	7,400	5,200
3/8"	7,100	12,300	10,000	7,100	18,400	15,100	10,600
1/2"	12,000	20,800	17,000	12,000	31,200	25,500	18,000
5/8"	18,100	31,300	25,600	18,100	47,000	38,400	27,100
3/4"	28,300	49,000	40,000	28,300	73,500	60,000	42,400
7/8"	34,200	59,200	48,400	34,200	88,900	72,500	51,300
1"	47,700	82,600	67,400	47,700	123,900	101,200	71,500
1-1/4"	72,300	125,200	102,200	72,300	187,800	153,400	108,400

GRADE 100 ALLOY CHAIN SLINGS

(Rated Capacity in Pounds - Do Not Exceed)




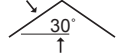


	Single Leg	Double Leg			Three & Four Leg		
							
5/16"	5,700	9,900	8,100	5,700	14,800	12,100	8,500
3/8"	8,800	15,200	12,400	8,800	22,900	18,700	13,200
1/2"	15,000	26,000	21,200	15,000	39,000	31,800	22,500
5/8"	22,600	39,100	32,000	22,600	58,700	47,900	33,900



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WIRE ROPE SLINGS

(Rated Capacity in Tons - Do Not Exceed)

Diameter	Vertical	Choker	Basket	Basket and 2 Leg Bridle		
						
1/4"	0.65	0.48	1.3	0.65	0.91	1.1
5/16"	1	0.74	2	1	1.4	1.7
3/8"	1.4	1.1	2.9	1.4	2	2.5
7/16"	1.9	1.4	3.9	1.9	2.7	3.4
1/2"	2.5	1.9	5.1	2.5	3.6	4.4
9/16"	3.2	2.4	6.4	3.2	4.5	5.5
5/8"	3.9	2.9	7.8	3.9	5.5	6.8
3/4"	5.6	4.1	11	5.6	7.9	9.7
7/8"	7.6	5.6	15	7.6	11	13
1"	9.8	7.2	20	9.8	14	17
1-1/8"	12	9.1	24	12	17	21
1-1/4"	15	11	30	15	21	26
1-3/8"	18	13	36	18	25	31
1-1/2"	21	16	42	21	30	37
1-5/8"	24	18	49	24	35	42
1-3/4"	28	21	57	28	40	49
1-7/8"	32	24	64	32	46	56
2"	37	28	73	37	52	63

Ratings based on (6x19) and (6x37) IWRC EIPS Wire Rope.



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NYLON WEB SLINGS

(Rated Capacity in Pounds - Do Not Exceed)

EEF-Type 3 and EET-Type 4

Stock No.	Width (inches)	Ply	Vertical	Choker	Basket
1-901	1	1	1600	1280	3200
2-901	1	2	3100	2480	6200
3-901	1	3	4100	3280	8200
4-901	1	4	5000	4000	10000
1-902	2	1	3100	2480	6200
2-902	2	2	6200	4960	12400
3-902	2	3	8300	6640	16600
4-902	2	4	10000	8000	20000
1-903	3	1	4700	3760	9400
2-903	3	2	8600	6880	17200
3-903	3	3	12500	10000	25000
4-903	3	4	14900	11920	29800
1-904	4	1	6200	4960	12400
2-904	4	2	11000	8800	22000
3-904	4	3	16000	12800	32000
4-904	4	4	19800	15840	39600
1-905	5	1	7800	6240	15600
2-905	5	2	13700	10960	27400
3-905	5	3	19200	15360	38400
4-905	5	4	24800	19840	49600
1-906	6	1	9300	7440	18600
2-906	6	2	16300	13040	32600
3-906	6	3	23000	18400	46000
4-906	6	4	29800	23840	59600
1-908	8	1	11800	9440	23600
2-908	8	2	19200	15360	38400
3-908	8	3	30700	24560	61400
4-908	8	4	39700	31760	79400
1-910	10	1	14700	11760	29400
2-910	10	2	22400	17920	44800
3-910	10	3	36800	29440	73600
4-910	10	4	49600	39680	99200
1-912	12	1	17600	14080	35200
2-912	12	2	26900	21520	53800
3-912	12	3	44000	35200	88000
4-912	12	4	59500	47600	119000

* Lengths measured from eye to eye



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POLYESTER ENDLESS ROUND SLINGS

(Rated Capacity in Pounds - Do Not Exceed)

Size	Color	Vertical	Choker	Basket
1	Purple	2,600	2,100	5,200
2	Green	5,300	4,200	10,600
3	Yellow	8,400	6,700	16,800
4	Tan	10,600	8,500	21,200
5	Red	13,200	10,600	26,400
6	White	16,800	13,400	33,600
7	Blue	21,200	17,000	42,400
8	Orange	25,000	20,000	50,000
9	Grey	31,000	24,800	62,000
10	Maroon	40,000	32,000	80,000
11	Brown	53,000	42,400	106,000
12	Olive	66,000	52,800	132,000
13	Black	90,000	72,000	180,000

Colors May Vary By Manufacturer